

Figure 1 is a schematic diagram of a cross-section of a beam 10. The beam has a central core 11 and outer layers 11a and 11b. The total height is H. The beam is supported by a base 12, which is part of a larger structure 13. The beam is subjected to a downward force T_1 and two reaction forces R_1 and R_2 . The beam is divided into sections 14 and 14a. A dimension T_2 is shown at the base.

A diagram of a rectangular device 10. The device is defined by a solid outer boundary and a dashed inner boundary. The dashed boundary is composed of several segments: 14 (top-left), 15 (top), 16 (top-right), 17 (right), 18 (bottom-right), 19 (bottom), and 20 (bottom-left). Two diagonals, labeled C and D, intersect at the center of the rectangle. Diagonal C is a dashed line, and diagonal D is a solid line. The device is shown with rounded corners.